论文

辽宁空气中度污染和重污染天气类型分析

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摘要　　统计分析了2005-2009年辽宁省14个城市5种污染物逐日的污染指数API数据，基于东北低压型、南大风型、干冷锋北大风型和夏秋大雾型四种易形成辽宁地区沙尘污染的天气类型，对污染天气类型进行归类统计分析。结果表明：重污染和中度污染天气中PM10污染所占比例最高，污染天气类型主要是干冷锋北大风型。

关键词　　重污染　中度污染　污染指数API　天气分型　归类统计

分类号　X16

Synoptic situation classification of medium and heavy air pollution over Liaoning province

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Abstract Daily pollution index API variations of five pollutants were analyzed from 2005 to 2009 in 14 cities of Liaoning province. Based on weather types causing sand-dust pollution over Liaoning province, i.e. northeast low pressure type, south gale type, north gale of dry and cold front type, heavy fog in summer and autumn, pollution weather types were classified. The results indicate that PM10 pollution is the most serious under medium and heavy pollution weather. The primary synoptic situation of air pollution is north gale of dry and cold front type.

Key words　Heavy pollution　Medium pollution　Pollution index API　Synoptic situation classification　Statistic analysis

DOI:

通讯作者